

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133172.D
 Acq On : 01 May 2023 23:50
 Operator : CG\JU
 Sample : 02563-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-042823

Quant Time: May 02 05:24:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

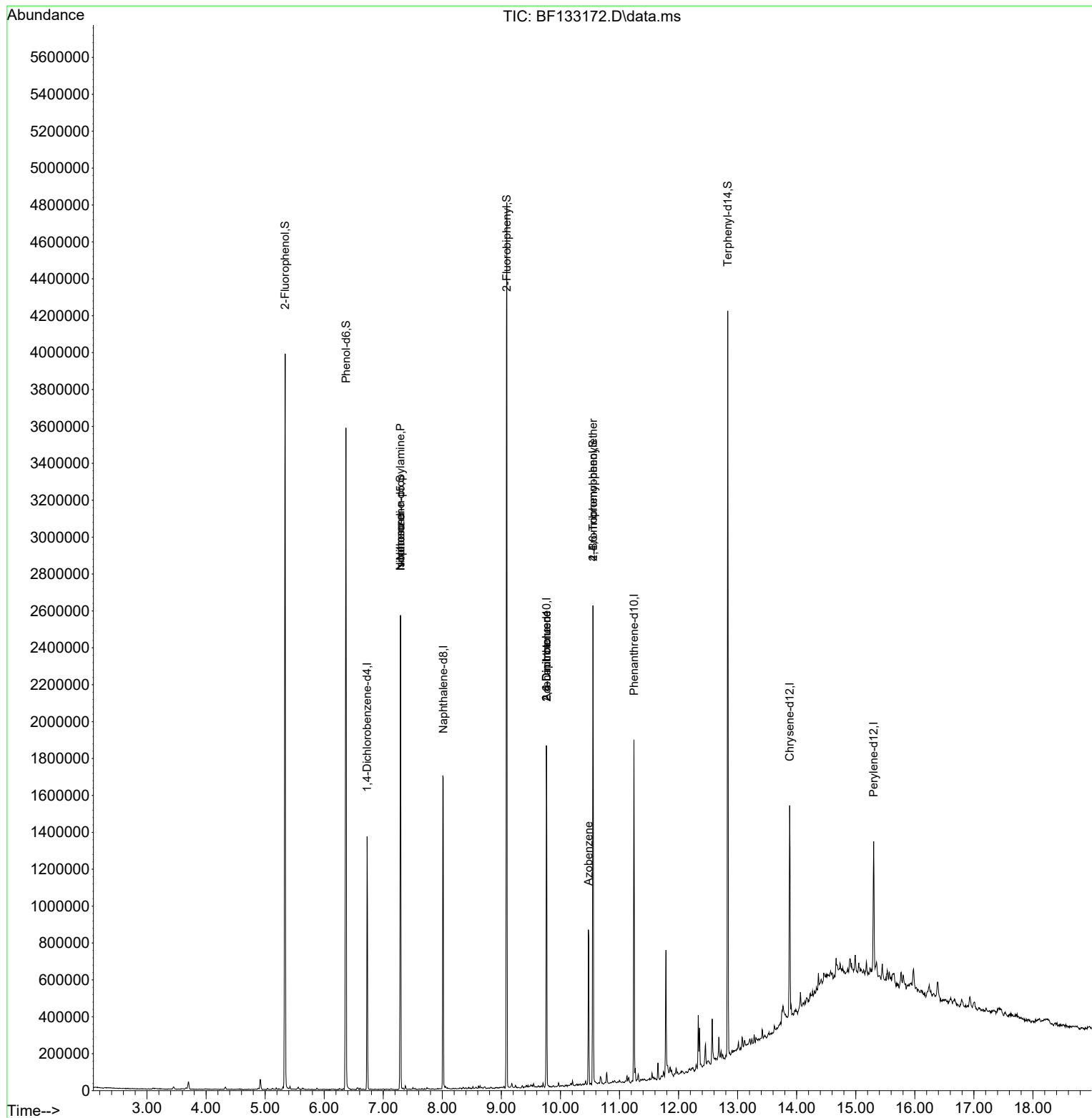
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	190673	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	750771	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	359650	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	601821	20.000	ng	0.00
76) Chrysene-d12	13.880	240	364311	20.000	ng	-0.01
86) Perylene-d12	15.304	264	308107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1158378	91.773	ng	0.00
7) Phenol-d6	6.369	99	1304316	83.253	ng	0.00
23) Nitrobenzene-d5	7.292	82	742265	53.365	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	296988	82.110	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	1429022	66.474	ng	0.00
79) Terphenyl-d14	12.833	244	1316147	62.307	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	716	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.292	70	99128	10.163	ng	# 74
25) Isophorone	7.292	82	740459	28.038	ng	# 63
51) 2,6-Dinitrotoluene	9.763	165	47028	8.332	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	47028	6.533	ng	# 23
63) Azobenzene	10.475	77	141340	5.633	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	18792	2.879	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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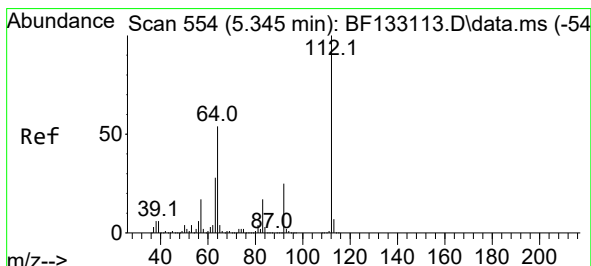
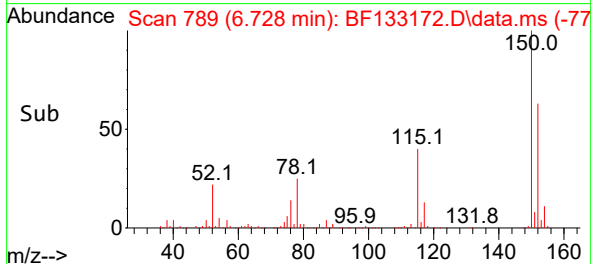
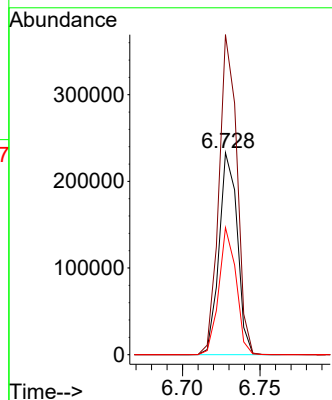
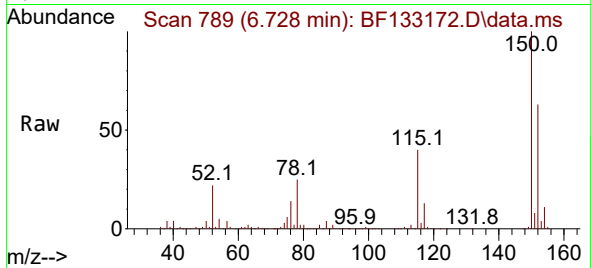




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

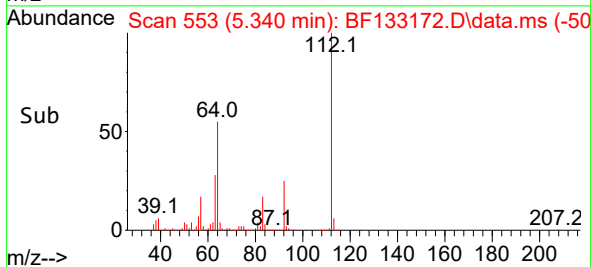
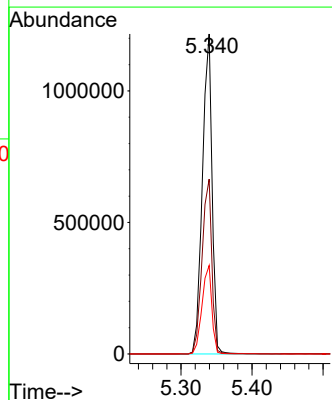
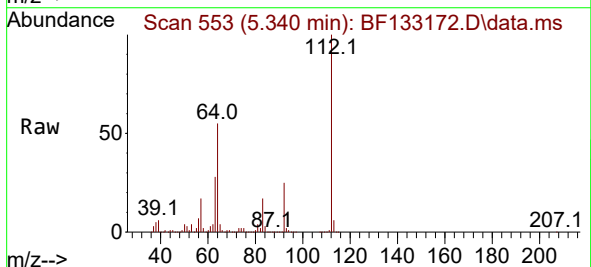
Instrument :
BNA_F
ClientSampleId :
HR-01-042823

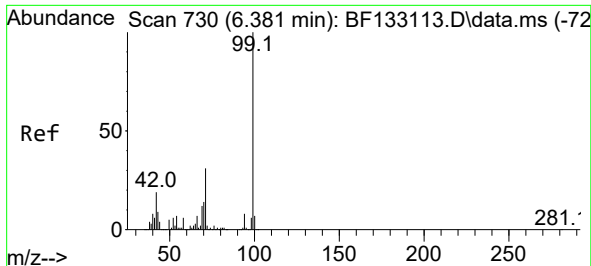
Tgt Ion:152 Resp: 190673
Ion Ratio Lower Upper
152 100
150 158.4 124.8 187.2
115 62.9 49.9 74.9



#5
2-Fluorophenol
Concen: 91.773 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Tgt Ion:112 Resp: 1158378
Ion Ratio Lower Upper
112 100
64 54.7 46.8 70.2
63 27.7 23.8 35.8

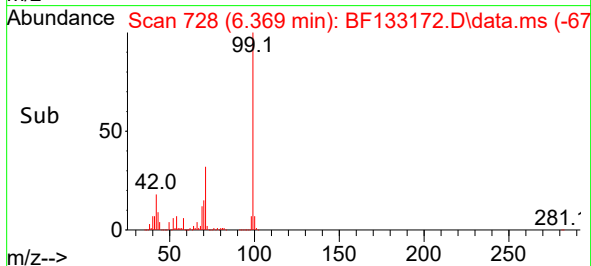
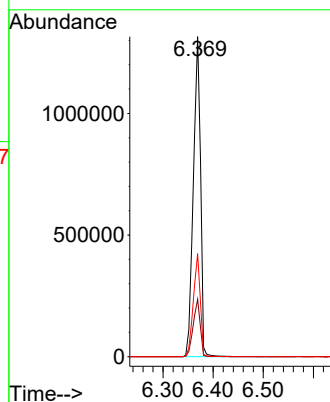
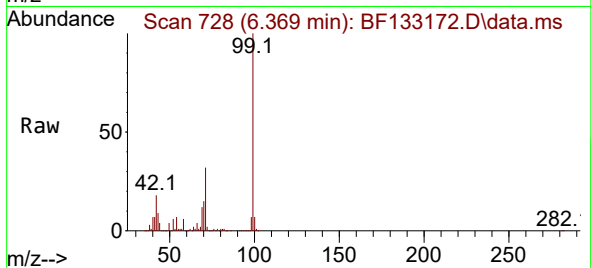




#7
Phenol-d6
Concen: 83.253 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

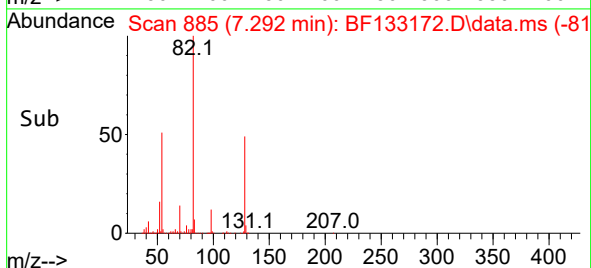
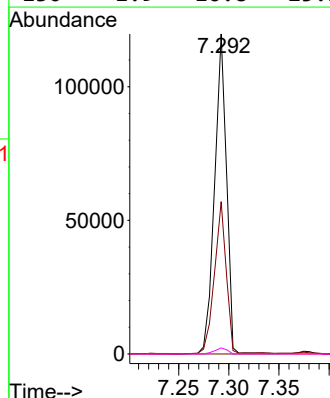
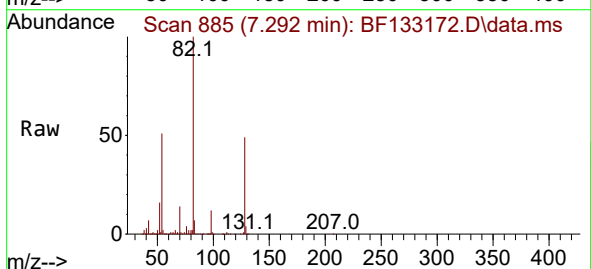
Instrument :
BNA_F
ClientSampleId :
HR-01-042823

Tgt Ion: 99 Resp: 1304316
Ion Ratio Lower Upper
99 100
42 17.9 16.3 24.5
71 32.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.163 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Tgt Ion: 70 Resp: 99128
Ion Ratio Lower Upper
70 100
42 47.6 51.8 77.6#
101 0.0 8.0 12.0#
130 1.9 16.8 25.2#



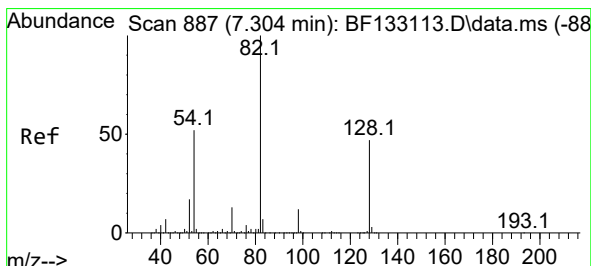
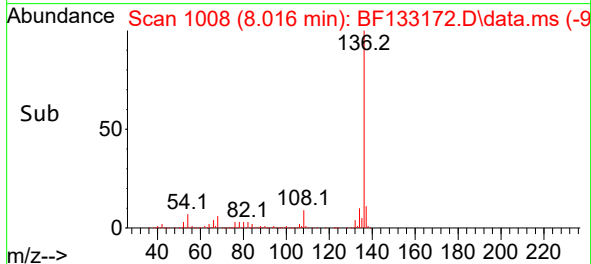
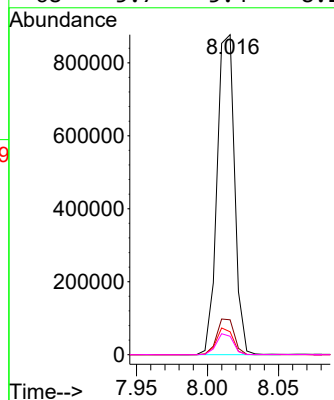
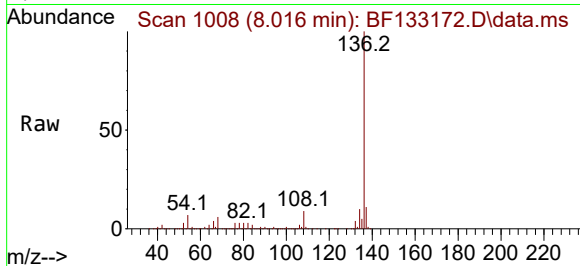


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Instrument :
BNA_F
ClientSampleId :
HR-01-042823

Tgt Ion:136 Resp: 750771

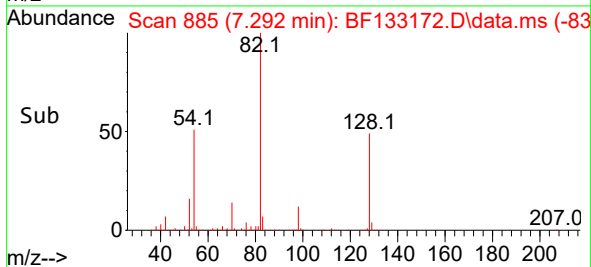
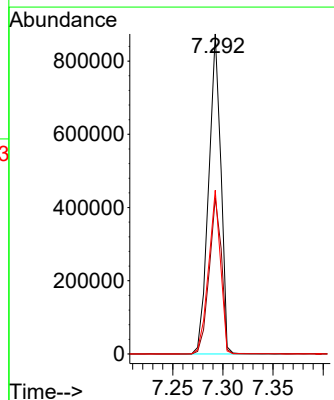
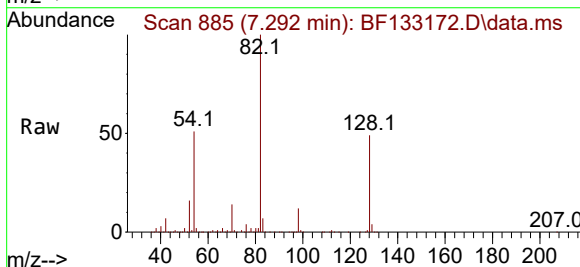
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.1	7.0	10.4
68	5.7	5.4	8.2

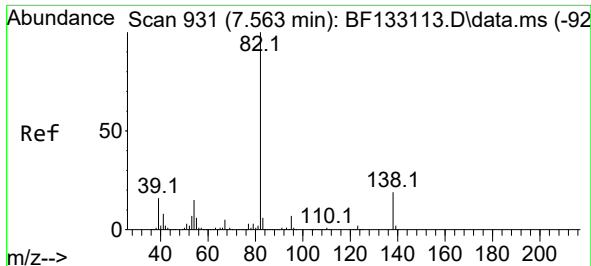


#23
Nitrobenzene-d5
Concen: 53.365 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Tgt Ion: 82 Resp: 742265

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.7	56.5
54	51.2	43.0	64.4

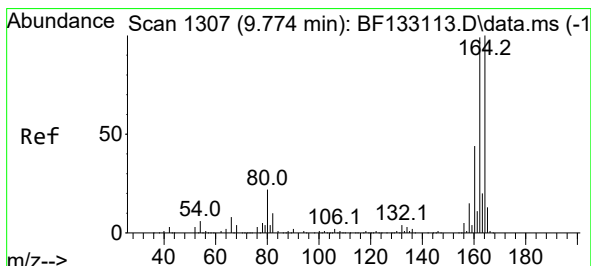
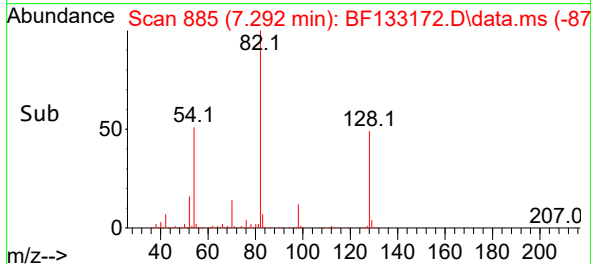
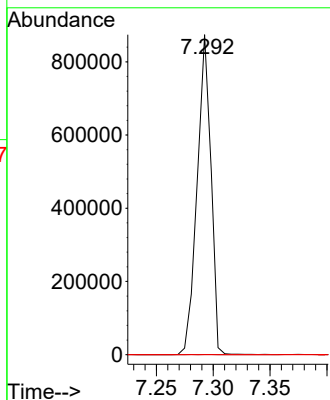
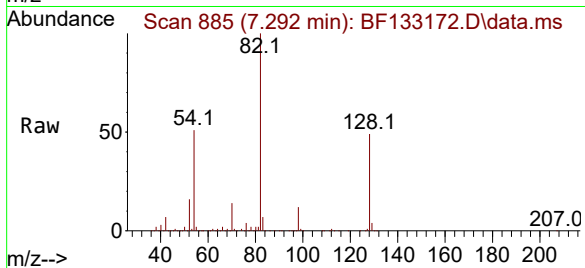




#25
Isophorone
Concen: 28.038 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

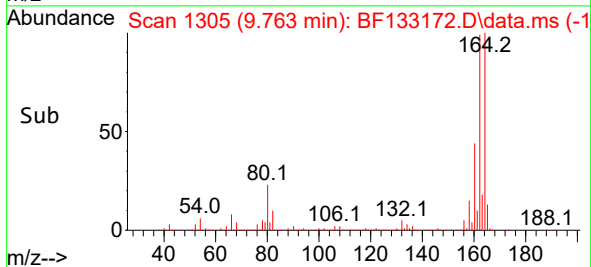
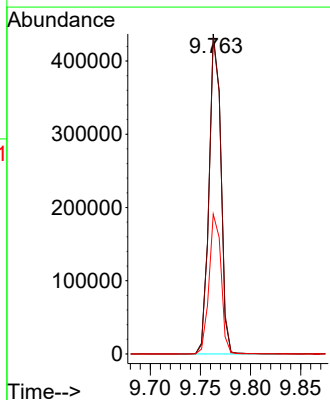
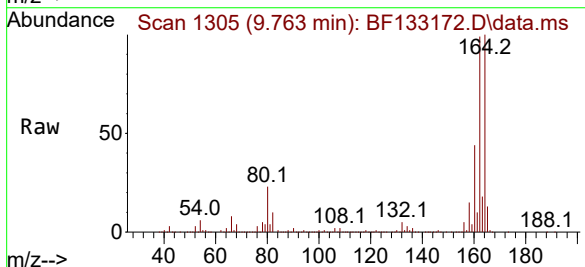
Instrument :
BNA_F
ClientSampleId :
HR-01-042823

Tgt Ion: 82 Resp: 740459
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Tgt Ion: 164 Resp: 359650
Ion Ratio Lower Upper
164 100
162 98.7 78.7 118.1
160 43.7 35.8 53.6

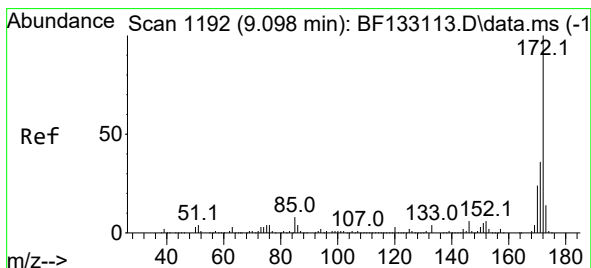
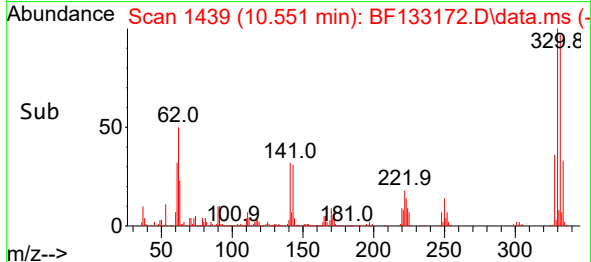
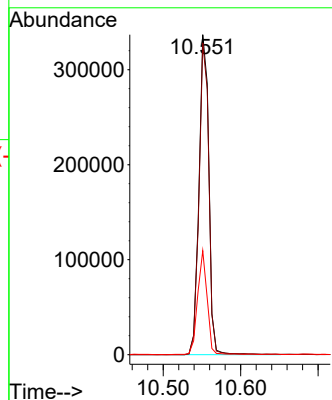
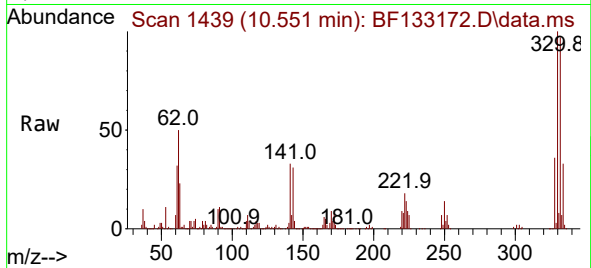




#42
2,4,6-Tribromophenol
Concen: 82.110 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

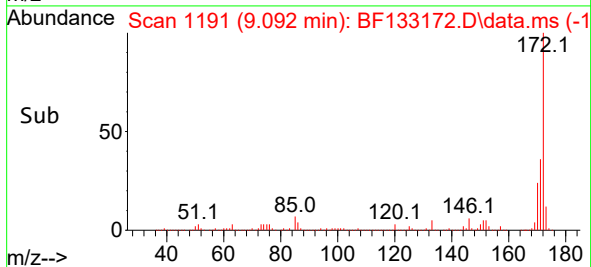
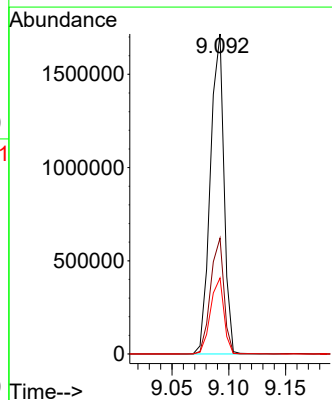
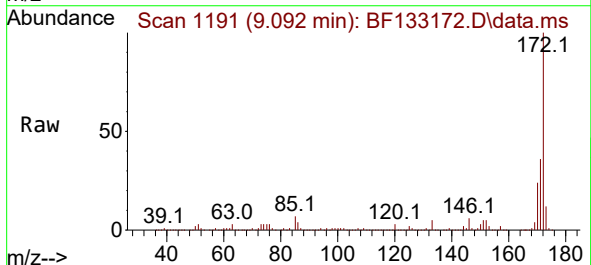
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ClientSampleId :
HR-01-042823

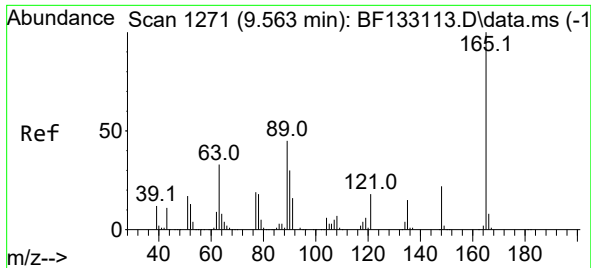
Tgt Ion:330 Resp: 296988
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 31.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 66.474 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Tgt Ion:172 Resp: 1429022
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.7 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.332 ng

RT: 9.763 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF133172.D

Acq: 01 May 2023 23:50

Instrument :

BNA_F

ClientSampleId :

HR-01-042823

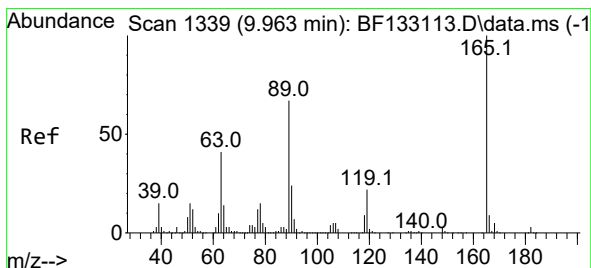
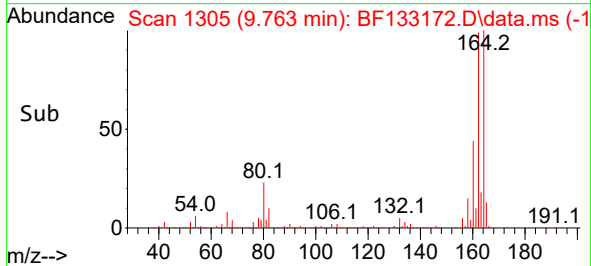
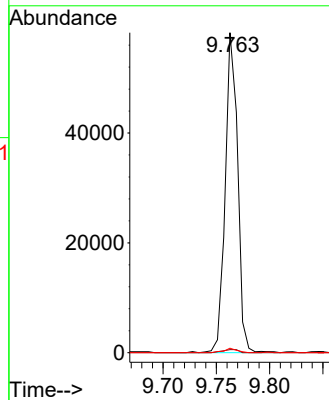
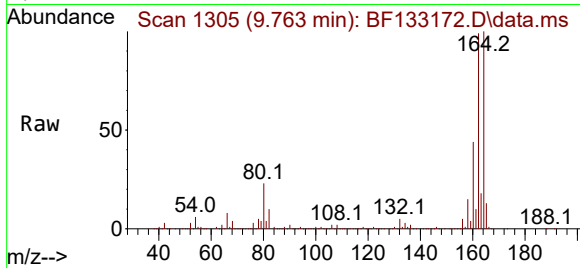
Tgt Ion:165 Resp: 47028

Ion Ratio Lower Upper

165 100

63 0.9 45.9 68.9#

89 1.4 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.533 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.200 min

Lab File: BF133172.D

Acq: 01 May 2023 23:50

Tgt Ion:165 Resp: 47028

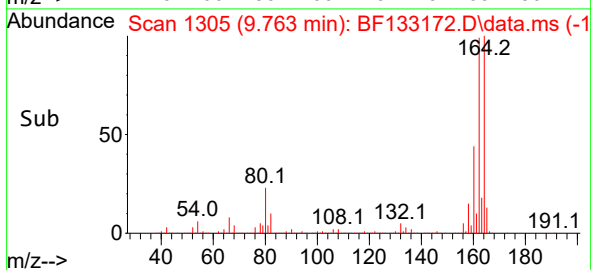
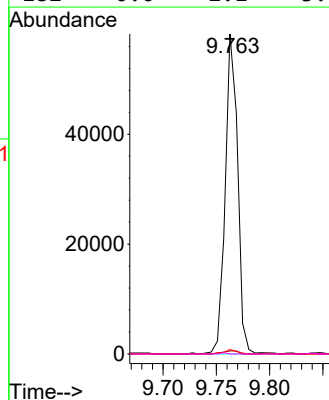
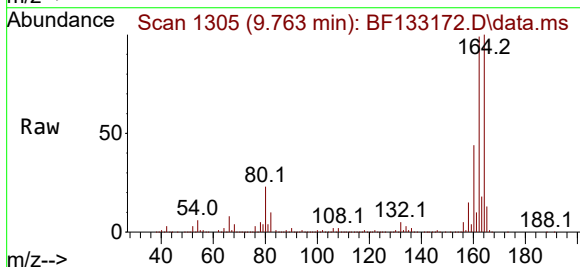
Ion Ratio Lower Upper

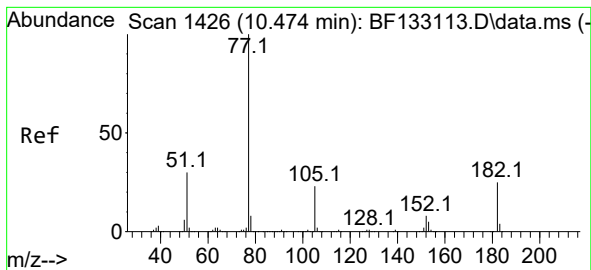
165 100

63 0.9 37.7 56.5#

89 1.4 57.0 85.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 5.633 ng

RT: 10.475 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF133172.D

Acq: 01 May 2023 23:50

Instrument :

BNA_F

ClientSampleId :

HR-01-042823

Tgt Ion: 77 Resp: 141340

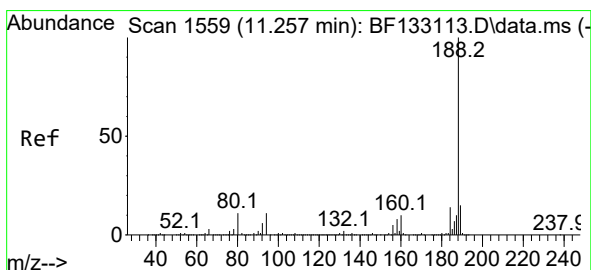
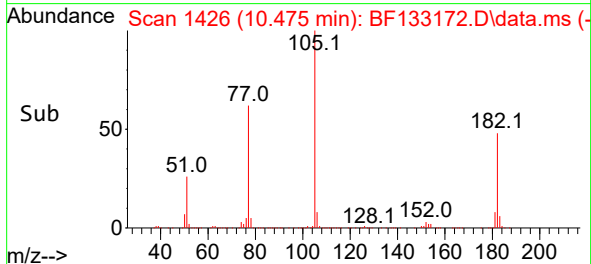
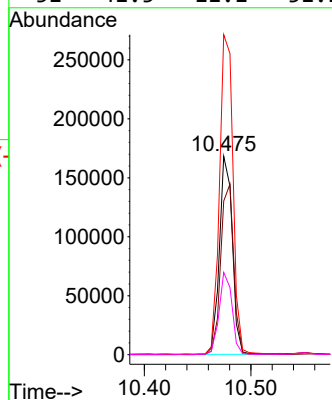
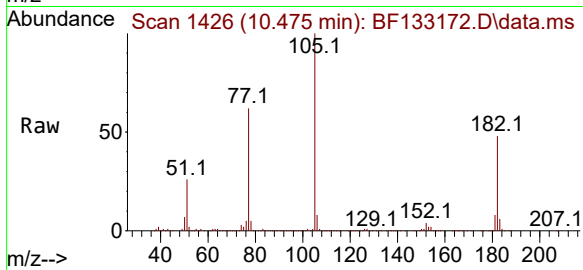
Ion Ratio Lower Upper

77 100

182 77.4 5.9 45.9#

105 161.3 2.3 42.3#

51 41.5 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.006 min

Lab File: BF133172.D

Acq: 01 May 2023 23:50

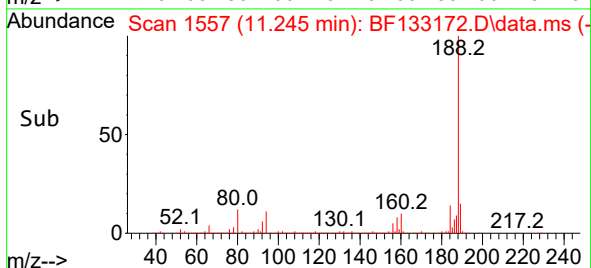
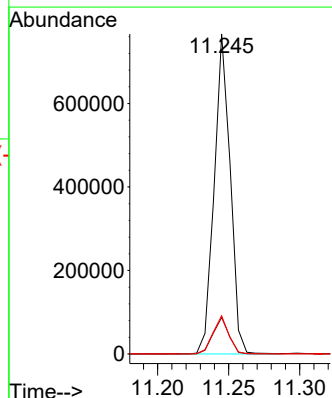
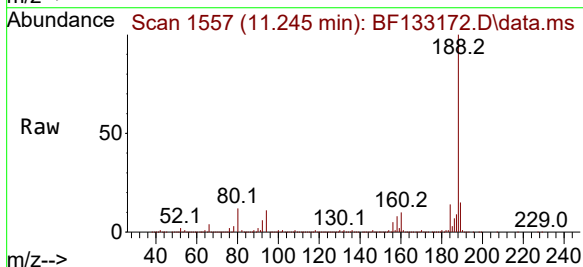
Tgt Ion:188 Resp: 601821

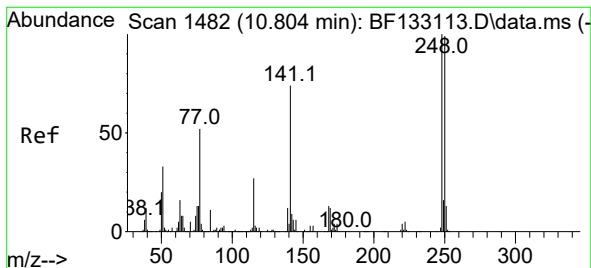
Ion Ratio Lower Upper

188 100

94 11.4 9.7 14.5

80 12.0 10.4 15.6

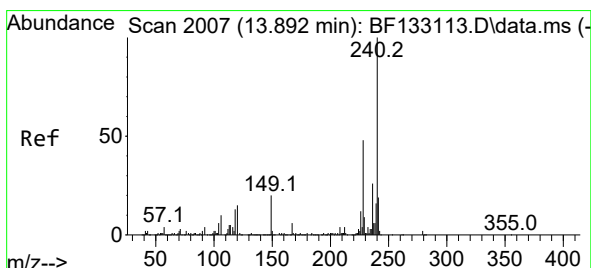
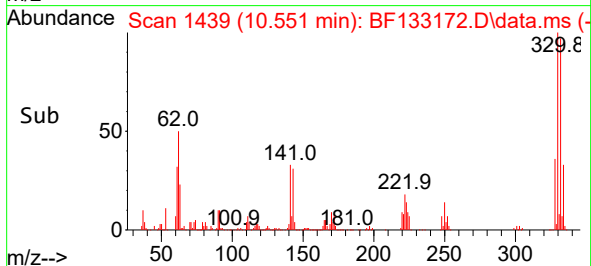
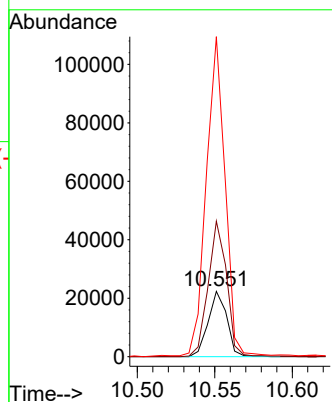
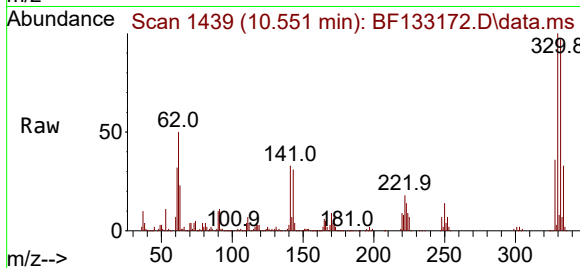




#67
4-Bromophenyl-phenylether
Concen: 2.879 ng
RT: 10.551 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

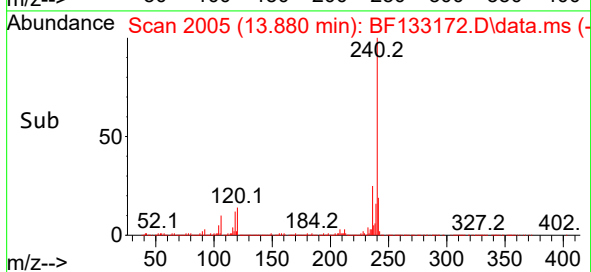
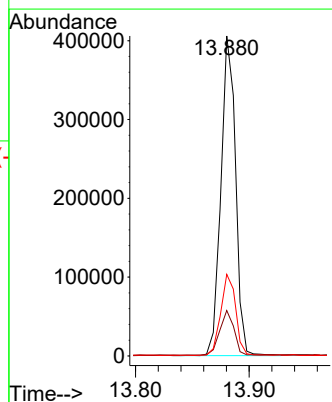
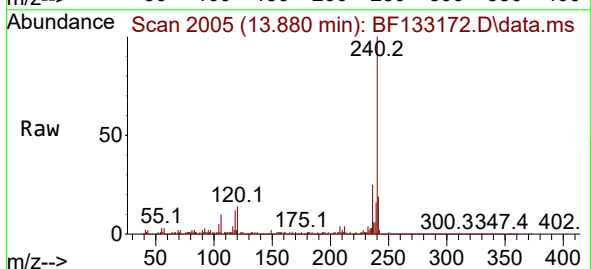
Instrument :
BNA_F
ClientSampleId :
HR-01-042823

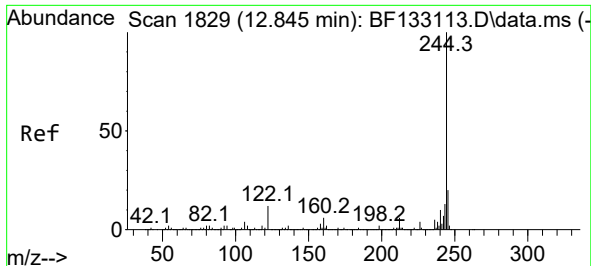
Tgt Ion:248 Resp: 18792
Ion Ratio Lower Upper
248 100
250 207.6 78.7 118.1#
141 490.0 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133172.D
Acq: 01 May 2023 23:50

Tgt Ion:240 Resp: 364311
Ion Ratio Lower Upper
240 100
120 14.2 10.5 15.7
236 25.5 21.5 32.3

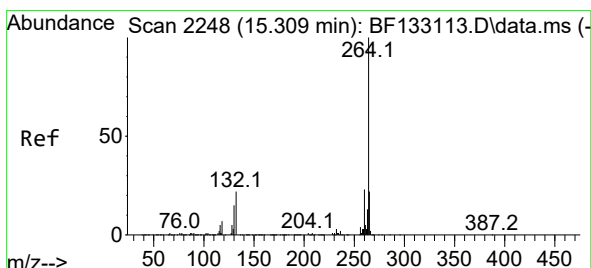
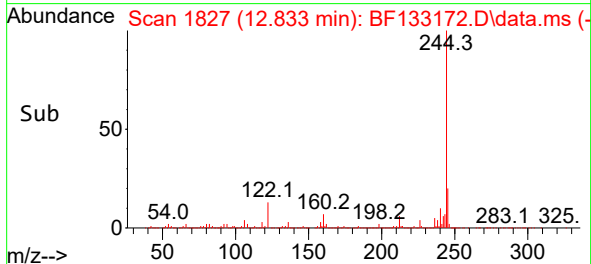
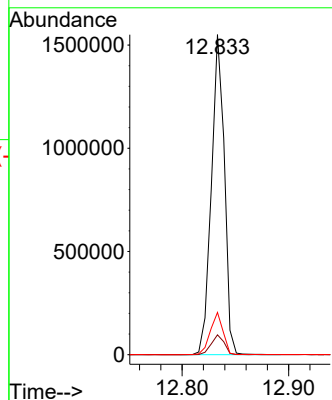
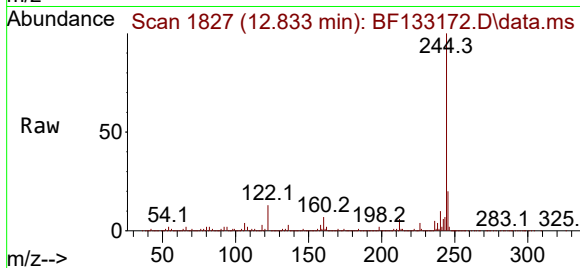




#79
 Terphenyl-d14
 Concen: 62.307 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133172.D
 Acq: 01 May 2023 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-042823

Tgt Ion:244 Resp: 1316147
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 13.2 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. 0.000 min
 Lab File: BF133172.D
 Acq: 01 May 2023 23:50

Tgt Ion:264 Resp: 308107
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 22.1 17.0 25.4

